

① Given the points $(-3, 4)$ and $(1, -5)$, find an equation for the line passing through the points in point-slope and slope-intercept form.

② Use the graph to answer the questions:

(a) What are the domain and range for the graph?

(b) Find

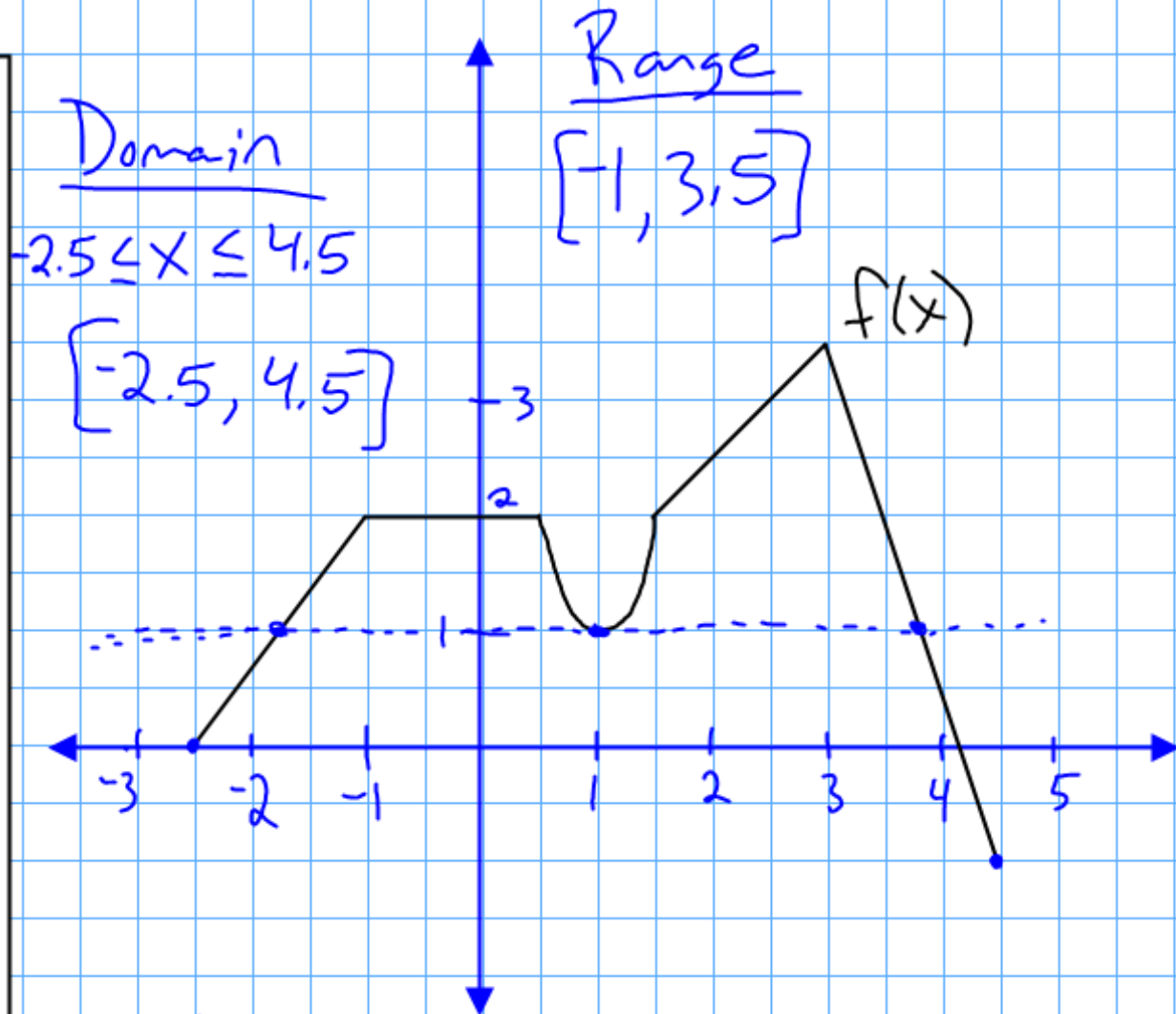
$$f(0) = 2$$

$$f(-2) \approx 1.75$$

$$f(3) = 3.5$$

(c) What x makes $f(x) = 1$?

$$x = 1, \approx 1.7, 3.7 \quad y = 1$$



$$(-3, 4)(1, -5)$$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$m = \frac{-5 - 4}{1 - -3} = -\frac{9}{4}$$

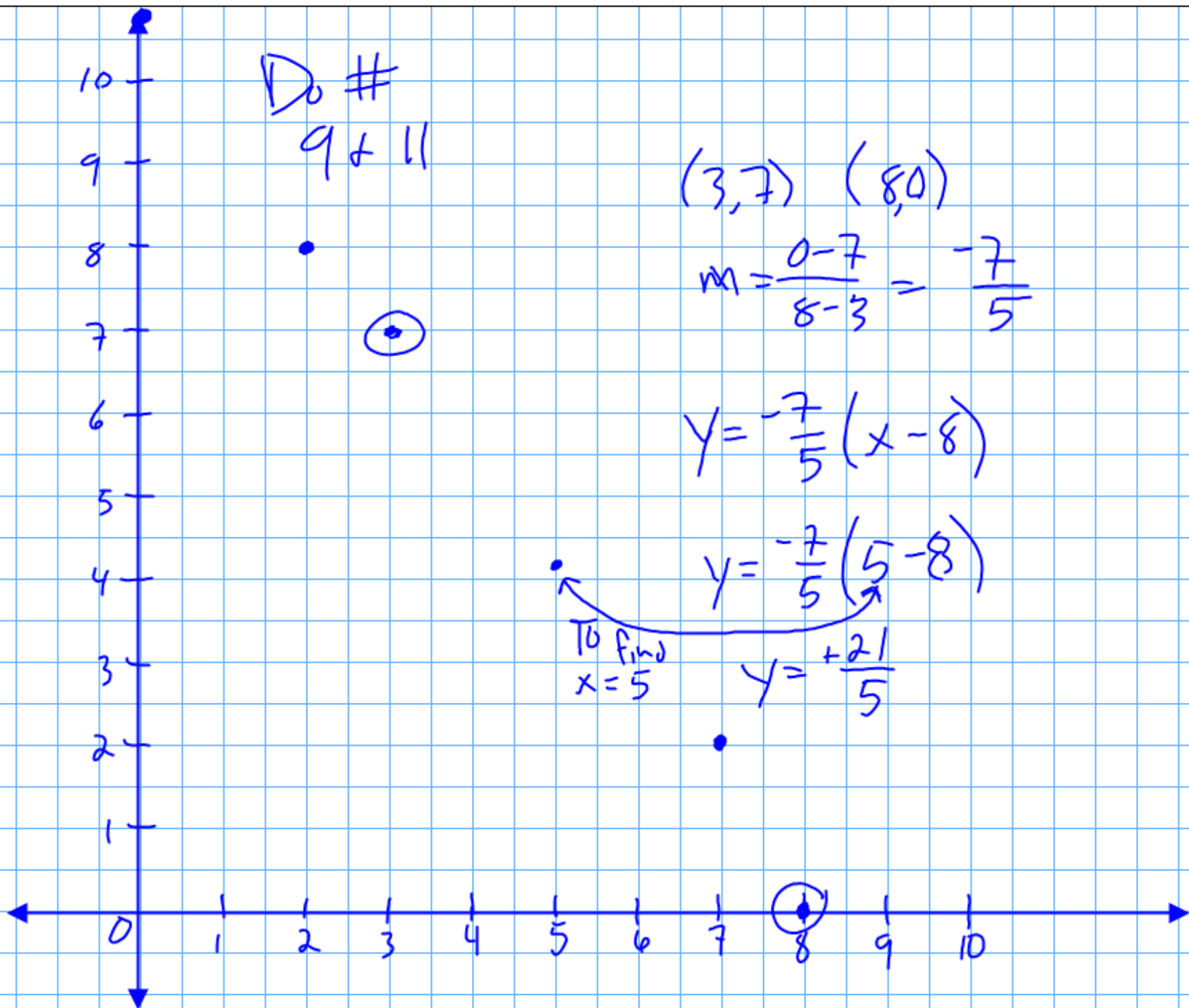
Point-slope

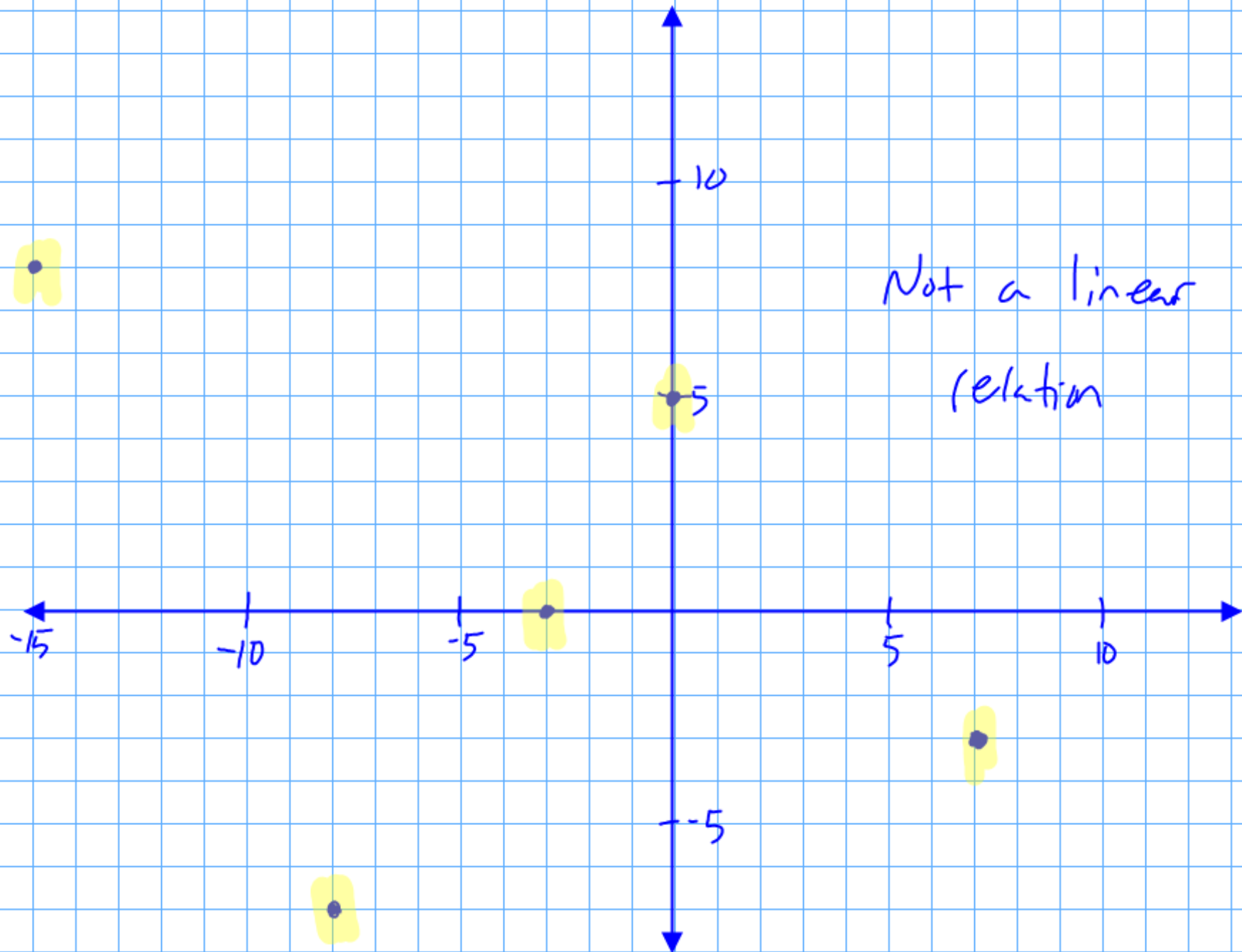
$$y = m(x - x_1) + y_1$$

pt.
↙ ↘

$$y = -\frac{9}{4}(x + 3) + 4$$

$$y = -\frac{9}{4}x + -2.75$$





To find the LinReg equation on calc

- Stat → edit, enter data in L_1 & L_2
 (x) (y)
- 2nd y= turn plot on
- Window, set x & y-values
- graph
- 2nd Stat → Calc → LinReg
- enter equation in y=
- graph

r-value correlation coefficient

8-10 - pretty darn good

6-8 - good

4,5 - ahh

1-3 - No

on calc.

Do #13


- graph

- Find
LinReg

- Plot line w/ data

- tell me about
correlation

To Do

- Turn in Calculator
- Grade and turn in both
 - 2.2
 - green sheet
- Write down Hw
Sect. 2.4 #2, 5, 15-18, 27  by hand
- Be in seat ready for test by 8:38